

Work Order ID 132978

October 26, 2015 1:34:03 PM

132978

Page 1

Reprint to 647.101

B 132978
REV. D

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item ID: 647.1701

Revision ID:

Item Name: Skid Deflector Assembly

Start Date: 5/20/2015 Start Qty: 2.00

Required Date: 5/20/2015 Req'd Qty: 2.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: *SO*

Date: 20151026

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr	
647.1700	D	<i>SO</i>

110	Pick Kit	0.00
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110

Packaging

Memo

0.00

Packaging

BAS
27
9-89

OCT 27 2015

120

0.00

120

Small Fab

Memo

0.00

Small Fab

1- Assemble item 4,6,7 and 8 as per dwg.

2- Clamp item 1 and 2 to item 3. Transfer drill holes as per dwg see note 6. Use clecos.

3- Disassemble parts

4- Deburr

5- Touch up expose aluminum with alodine

6- Re-assemble as per dwg

4x *15/11/21* DAS 36 9-89

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								

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Accept

N900040100

Setup Start *NS1*

Item Name: Skid Deflector Assembly

Stop ***NS2***

Start Date: 5/20/2015 **Start Qty:** 2.00

2

Cust Item ID:

Required Date: 5/20/2015 Req'd Qty: 2.00

~

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run Start *NR1*

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130 QC5- Inspect part completeness to step on W/O

0.00

130

QC

Memo

0.00

Quality Control

DAS
38
9-89

NOV 24 2015

170

0.00

170

SprayPaint

Spray Painting

Memo

0.00

***TOUCH UP WITH PRIMER ***

PRIMER BATCH: 131277

DAS
41
9-89

15-11-25

180

QC14- Inspect Spray Paint

0.00

180

QC

Memo

0.00

Quality Control

DAS
33
9-89

NOV 25 2015

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
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Root Cause				FAULT CATEGORY			
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Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :			
Misidentified	☐	Past Due	☐				

132978

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N900040100

Setup Start *NS1*

Stop *NS2*

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Cust Item ID:

2

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run	Start	*NR1*
	Stop	*NR2*

**Insp.
Stamp**

Identify as per dwg & Stock Location. *CCF 033* 0.00

210

Packaging

Memo

0.00

Packaging

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

4

NOV 25 2015

QC21- Final Inspection - Work Order Release

0.00

220

QC

Memo

0.00

Quality Control

MLJ 15-11-27

MF 15-11-28

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval				
Description Work Order Deviation				Disposition							
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due		☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter		FAULT CATEGORY ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center		☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
OTHER : ☐											

Picklist Print

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4

Work Order ID: 132978

132978

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 12.10.04 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

647.1710 *647 1710* Plate		Manufactured	No				Each	1.0000	1 **	4		BAS 27 9-89	13675x343
--	--	--------------	----	--	--	--	------	--------	---------	---	--	-------------------	-----------

Location	Loc Qty	Loc Code
----------	---------	----------

CCK045

1

132276

1

647.1711 *647 1711* Plate		Manufactured	No				Each	2.0000	1 **	4		BAS 27 9-89	136263x3
--	--	--------------	----	--	--	--	------	--------	---------	---	--	-------------------	----------

Location	Loc Qty	Loc Code
----------	---------	----------

CCK045

2

132293

1

132763

1

647.1712 *647 1712* Gusset		Manufactured	No				Each	1.0000	1 **	4			1355/2
---	--	--------------	----	--	--	--	------	--------	---------	---	--	--	--------

Location	Loc Qty	Loc Code
----------	---------	----------

MF 36

1

91800

1

NOV 23 2015

Picklist Print

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Page 2

Work Order ID: 132978

132978

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 2.00

Required Qty: 2.00

647.1713

Manufactured No

Each 54.0000

1 4

647 1713

Spacer

**

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK108

54

104845

40

91801

1

92561

1

93408

2

99057

10

4

CR3213-4-4

Purchased No

Each 456.0000

22 88

CR3213-4-4

Rivet, Cherry

**

Location

Loc Qty

Loc Code

CCK004

408

126282

408

ST319

48

M130388

48

88

BAS
27
9-89

OCT 27 2015

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Work Order ID: 132978

132978

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 2.00

Required Qty: 2.00

NAS1149F0332P

Purchased

No

Each

1,672.000

2 8

NAS1149F0332P

Washer

**

BAS

27

9-89

Location

Loc Qty

Loc Code

GA

162

122063

162

ST260a

1393

m128401

6

m131026

80

m131697

50

~~m133134~~

600

m133284

500

~~m133316~~

157

st268

117

123900

7

m130388

86

m133077

24

Each

329.0000

**

4
m133498

MS21042-3

MS21042L3

Purchased

No

MS21042-3

Nut / use MS21042L3

Location

Loc Qty

Loc Code

ST305

329

M128770

10

M129541

15

M129682

281

M130388

23

m133134

BAS

27

9-89

OCT 27 2015

Picklist Print

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Work Order ID: 132978

132978

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 2.00

Required Qty: 2.00

MS27039-1-14

Purchased

No

Each

804.0000

) 4

MS27039-1-14

Screw

BAS

27

9-89

Location

Loc Qty

Loc Code

cck007a

700

124326

700

GA

94

120449

94

ST285

10

m130388

10

4

NOV 26 2015

NOTES:

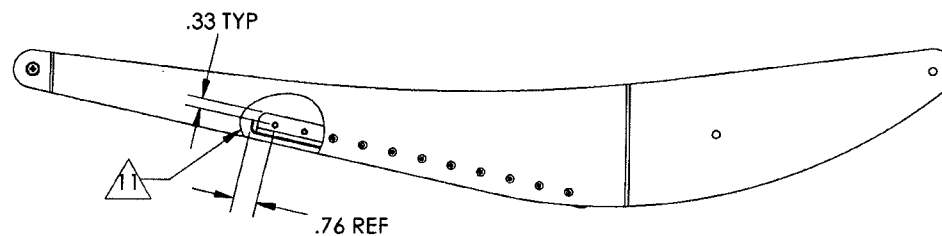
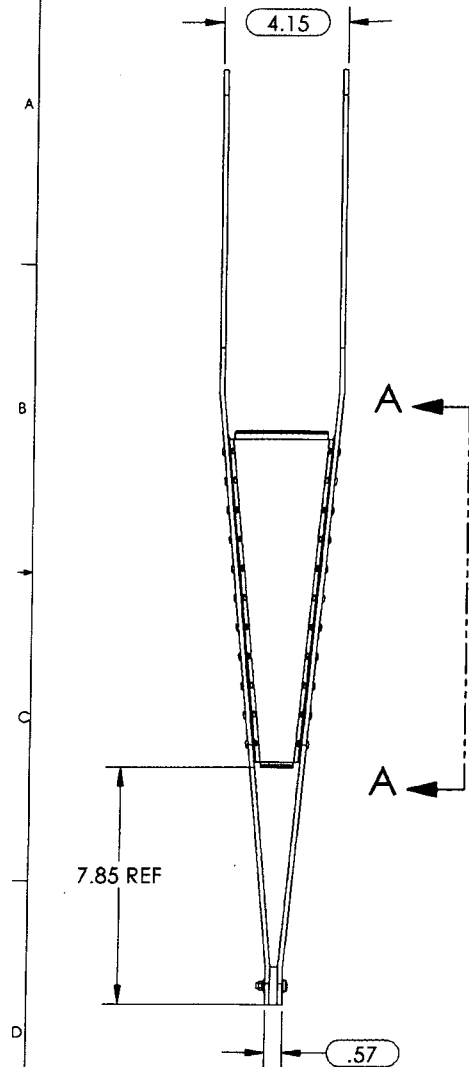
- 1, & 4; THEN MATE AND MATCH DRILL HOLES FROM F/N 3 AS SHOWN ON SHEET 2.
- PROCEDURE FOR P/N 647.1702 USING F/N 9 & 10 & 2.
- PROCEDURE FOR P/N 647.1703 USING F/N 11, 12, & 13 N 1, 2, & 3, RESPECTIVELY.
- OF HOLE DIMENSION, ALL DIMENSIONS SAME AS ND P/N 647.1711. RESPECTIVELY.
- 01 ASSEMBLY.
- 02 ASSEMBLY.
- N'S 647.1714 & 647.1715
N'S 647.1710 & 647.1711
- AND ASSEMBLY TYPICAL FOR ALL CONFIGURATIONS.
- 03 ASSEMBLY.
- 01 & 647.1702 ASSEMBLIES.
- 03 ASSEMBLY.
- 7
- 4
- 2 PL 6
- 8
- 5 22 PL
- 1 8
9 9
11 12
- 3 13
13 14
- 6
- 2 8
10 9
12 12
- | | | |
|---------------|-------|-------|
| 1 | | |
| 1 | | |
| 1 | | |
| | 1 | |
| | 1 | |
| 1 | 1 | |
| 1 | 1 | |
| 2 | 2 | |
| 22 | 22 | |
| 1 | 1 | |
| | 1 | |
| | | |
| | | |
| x | | |
| | x | |
| | | |
| .1703 | .1702 | .1701 |
| QTY | | |
| NEXT ASSY (S) | | |
| 647.1300 | | |
| | | |
| | | |
- 5
- 5 1 0 2 6

1			13	647.1718	GUSSET	△	△
1			12	647.1717	PLATE	△	△
1			11	647.1716	PLATE	△	△
	1		10	647.1715	PLATE	△	△
	1		9	647.1714	PLATE	△	△
1	1	1	8	601.1622	SCREW	MS27039-1-14	
1	1	1	7	601.2943	LOCKNUT	MS21042-3	
2	2	2	6	601.1607	WASHER	NAS1149F0332P	
22	22	22	5	601.1915	RIVET	CR3213-4-4	
1	1	1	4	647.1713	SPACER	△	△
	1	1	3	647.1712	GUSSET	△	△
		1	2	647.1711	PLATE	△	△
		1	1	647.1710	PLATE	△	△
X				647.1703	SKID DEFLECTOR ASSY		
	X			647.1702	SKID DEFLECTOR ASSY		
		X		647.1701	SKID DEFLECTOR ASSY		
.1703	.1702	.1701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY	PARTS LIST	
NEXT ASSY [S]	ORIGINAL DATE [M/D/Y]	3030 ENTERPRISE CT SUITE A VISTA, CA 92081 (760) 724-5300
647.1300	REVISION # J. GARDNER P. BRAVO	
	DRAWING APPROVAL [SIGNED] [DATE]	
	CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1) PLAT DECIMALS 2.00 2) PLATE DECIMALS 1.00 3) HOLES & CT.		
SKID DEFLECTOR ASSY		
REV. C	REV. D	REV. E
REV. F	REV. G	REV. H
REV. I	REV. J	REV. K
REV. L	REV. M	REV. N
REV. O	REV. P	REV. Q
REV. R	REV. S	REV. T
REV. U	REV. V	REV. W
REV. X	REV. Y	REV. Z
REV. AA	REV. AB	REV. AC
REV. AD	REV. AE	REV. AF
REV. AG	REV. AH	REV. AI
REV. AJ	REV. AK	REV. AL
REV. AM	REV. AN	REV. AO
REV. AP	REV. AQ	REV. AR
REV. AS	REV. AT	REV. AU
REV. AV	REV. AW	REV. AX
REV. AY	REV. AZ	REV. BA
REV. BB	REV. BC	REV. BD
REV. BE	REV. BF	REV. BG
REV. BH	REV. BI	REV. BJ
REV. BK	REV. BL	REV. BM
REV. BN	REV. BO	REV. BP
REV. BQ	REV. BR	REV. BS
REV. BT	REV. BU	REV. BV
REV. BW	REV. BX	REV. BY
REV. BZ	REV. CA	REV. CB
REV. CC	REV. CD	REV. CE
REV. CF	REV. CG	REV. CH
REV. CI	REV. CJ	REV. CK
REV. CL	REV. CM	REV. CN
REV. CO	REV. CP	REV. CQ
REV. CR	REV. CS	REV. CT
REV. CU	REV. CV	REV. CW
REV. CX	REV. CY	REV. CZ
REV. DA	REV. DB	REV. DC
REV. DD	REV. DE	REV. DF
REV. DG	REV. DH	REV. DI
REV. DJ	REV. DK	REV. DL
REV. DM	REV. DN	REV. DO
REV. DP	REV. DQ	REV. DR
REV. DS	REV. DT	REV. DU
REV. DV	REV. DW	REV. DX
REV. DY	REV. DZ	REV. EA
REV. EB	REV. EC	REV. ED
REV. EE	REV. EF	REV. EG
REV. EH	REV. EI	REV. EJ
REV. EK	REV. EL	REV. EM
REV. EN	REV. EO	REV. EP
REV. EQ	REV. ER	REV. ES
REV. ET	REV. EU	REV. EV
REV. EW	REV. EX	REV. EY
REV. EZ	REV. FA	REV. FB
REV. FC	REV. FD	REV. FE
REV. FF	REV. FG	REV. FH
REV. FI	REV. FJ	REV. FK
REV. FL	REV. FM	REV. FN
REV. FO	REV. FP	REV. FQ
REV. FR	REV. FS	REV. FT
REV. FU	REV. FV	REV. FW
REV. FX	REV. FY	REV. FZ
REV. GA	REV. GB	REV. GC
REV. GD	REV. GE	REV. GF
REV. GH	REV. GI	REV. GJ
REV. GK	REV. GL	REV. GM
REV. GN	REV. GO	REV. GP
REV. GQ	REV. GR	REV. GS
REV. GT	REV. GU	REV. GV
REV. GW	REV. GX	REV. GY
REV. GZ	REV. HA	REV. HB
REV. HC	REV. HD	REV. HE
REV. HF	REV. HG	REV. HH
REV. HI	REV. HJ	REV. HK
REV. HL	REV. HM	REV. HN
REV. HO	REV. HP	REV. HQ
REV. HR	REV. HS	REV. HT
REV. HU	REV. HV	REV. HW
REV. HX	REV. HY	REV. HZ
REV. IA	REV. IB	REV. IC
REV. ID	REV. IE	REV. IF
REV. IG	REV. IH	REV. II
REV. IJ	REV. IK	REV. IL
REV. IM	REV. IN	REV. IO
REV. IP	REV. IQ	REV. IR
REV. IS	REV. IT	REV. IU
REV. IV	REV. IW	REV. IX
REV. IY	REV. IZ	REV. JA
REV. JB	REV. JC	REV. JD
REV. JE	REV. JF	REV. JG
REV. JH	REV. JI	REV. JJ
REV. JK	REV. JL	REV. JM
REV. JN	REV. JO	REV. JP
REV. JQ	REV. JR	REV. JS
REV. JT	REV. JU	REV. JV
REV. JW	REV. JX	REV. JY
REV. JZ	REV. KA	REV. KB
REV. KC	REV. KD	REV. KE
REV. KF	REV. KG	REV. KH
REV. KI	REV. KJ	REV. KK
REV. KL	REV. KM	REV. KN
REV. KO	REV. KP	REV. KQ
REV. KR	REV. KS	REV. KT
REV. KU	REV. KV	REV. KW
REV. KX	REV. KY	REV. KZ
REV. LA	REV. LB	REV. LC
REV. LD	REV. LE	REV. LF
REV. LG	REV. LH	REV. LI
REV. LJ	REV. LK	REV. LL
REV. LM	REV. LN	REV. LO
REV. LP	REV. LQ	REV. LR
REV. LS	REV. LT	REV. LU

20151026
54132978

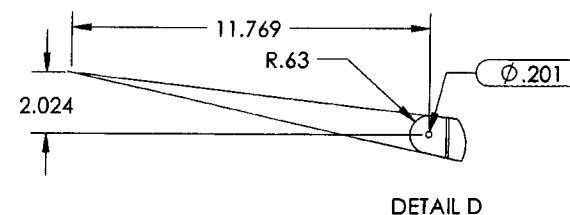
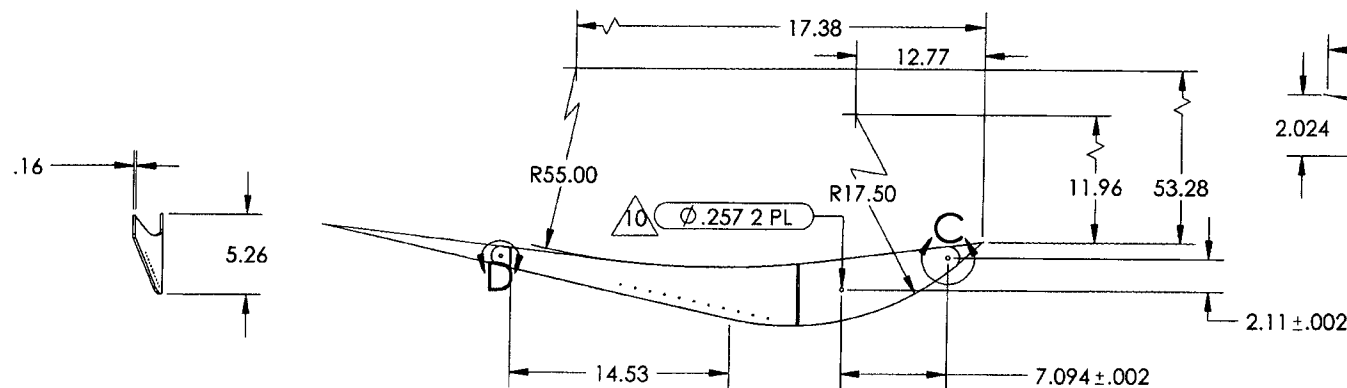
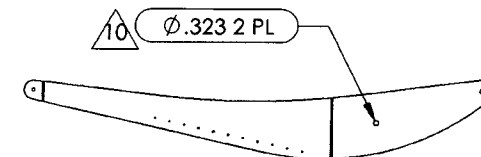
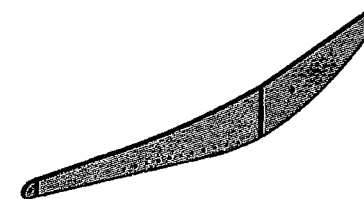
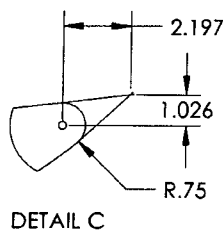
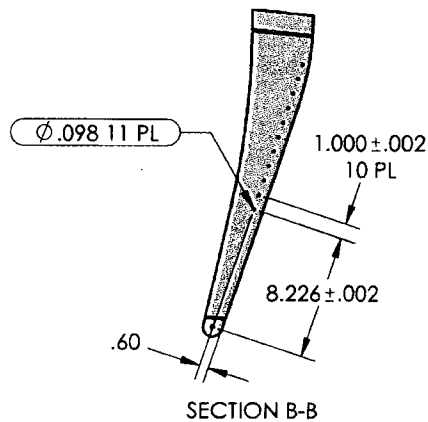
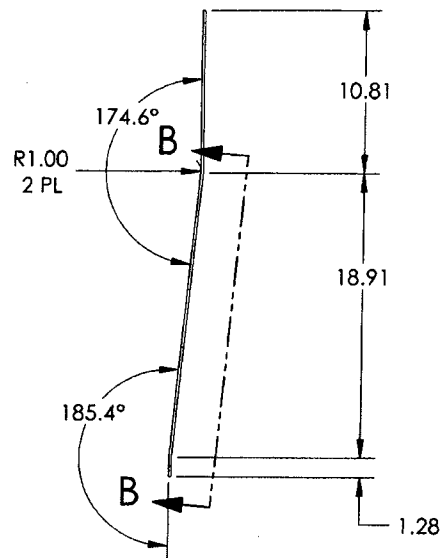
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SECTION A-A

ORIGINAL DATE (UNLESS OTHERWISE SPECIFIED)		DESIGNER		DART 3030 ENTERPRISE CT., AEROSPACE SUITE A VISTA, CA 92081 (760) 724-5300 APICAL INDUSTRIES, INC. 8800 DART AEROSPACE
DRAWN BY		CHECKER		
J. GARDNER		P. BRAVO		
DRAWING APPROVAL		P. BRAVO		
CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°				SHEET 2 OF 7 SCALE NONE
SITE		DWG. NO.		REV.
B 07M26		647.1700		D

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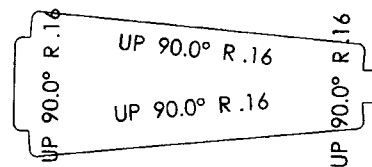
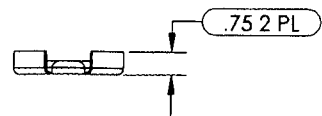
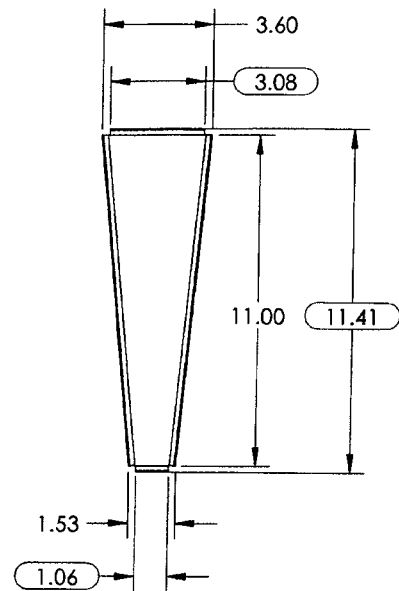


ORIGINAL DATE 11-01-78		DESIGNED BY J. GARDNER		CHECKED BY P. BRAVO	
DRAWN BY J. GARDNER		DRAWING APPROVAL P. BRAVO		CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B		DWG. NO. 647.1700	
SCALE: NONE		REV. D		SHEET 3 OF 7	

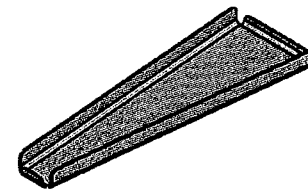
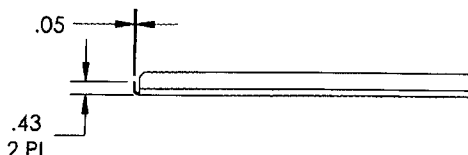
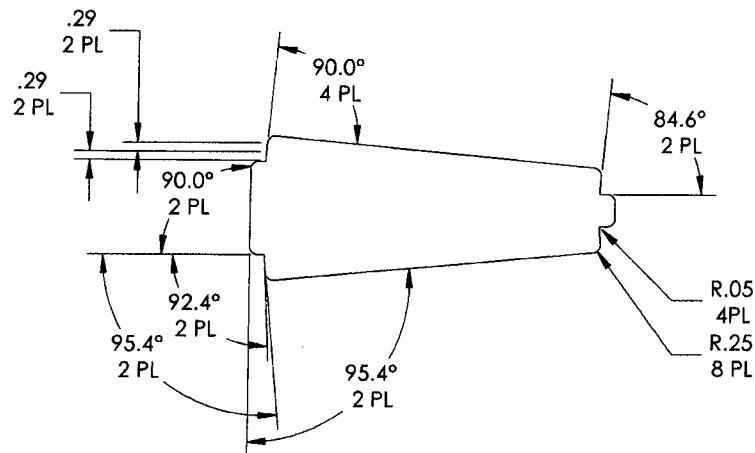
DART 3030 ENTERPRISE CT., SUITE A
AEROSPACE VISTA, CA 92081
(760) 691-9108

SKID DEFLECTOR ASSY

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FLAT PATTERN



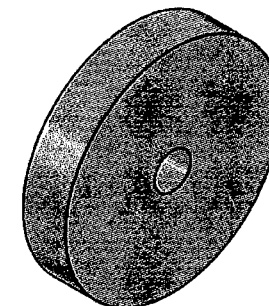
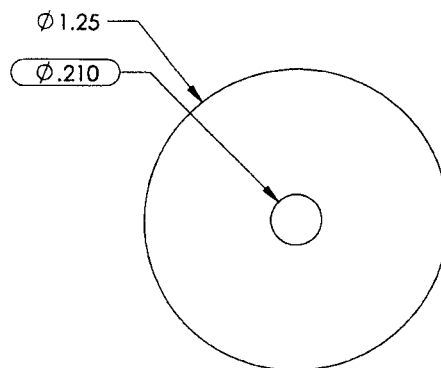
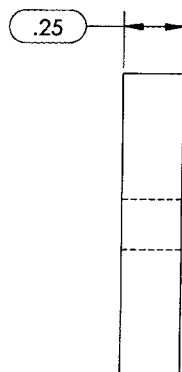
647.1712

ORIGINAL DATE (MM-DD-YY)		DESIGN	
DRAWN BY J. GARDNER		CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO		CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SIZE 8	CAGE CODE D7M26
		DWG. NO. 647.1700	REV. D
		SCALE NONE	SHEET 4 OF 7

DART 3030 ENTERPRISE CT., SUITE A
AEROSPACE VISTA, CA. 92081
APICAL INDUSTRIES, INC. (760) 724-5300
also DART AEROSPACE

SKID DEFLECTOR ASSY

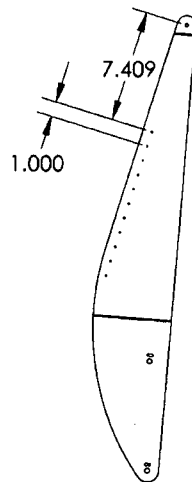
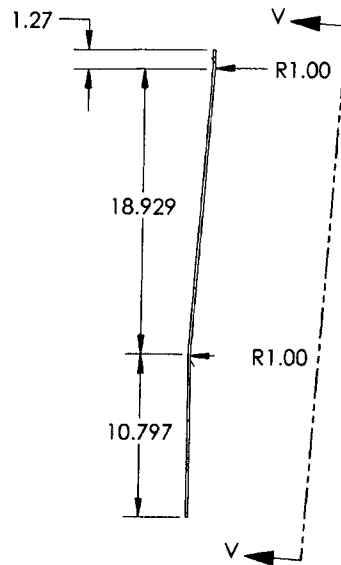
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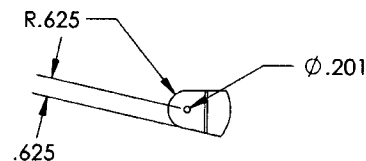
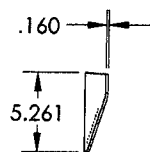
647.1713

ORIGINAL DATE (MM-DD-YY) 08/05/08		3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760)724-5300	
DRAWN BY J. GARDNER	CHECKED P. BRAVO	DART AEROSPACE APICAL INDUSTRIES, INC. (DART AEROSPACE)	
DRAWING APPROVAL P. BRAVO			
CONTRACT NO.		SKID DEFLECTOR ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE CAGE CODE B 07/M26 SCALE NONE	DWG. NO. 647.1700 SHEET 5 OF 7

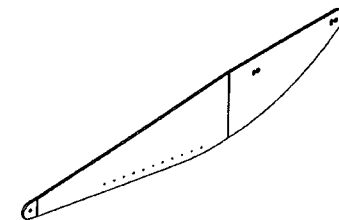
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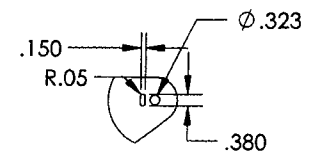
VIEW V-V



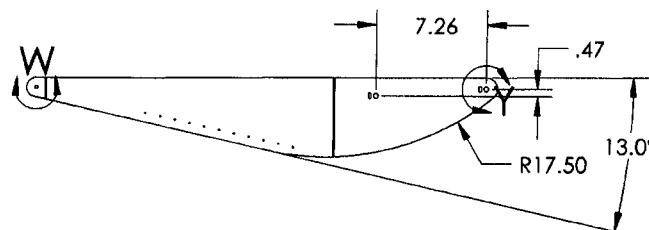
DETAIL W



647.1716 SHOWN
647.1717 OPPOSITE

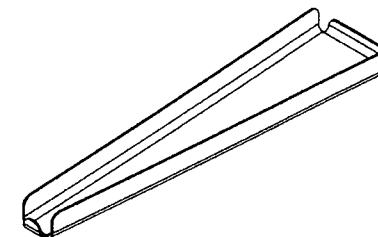
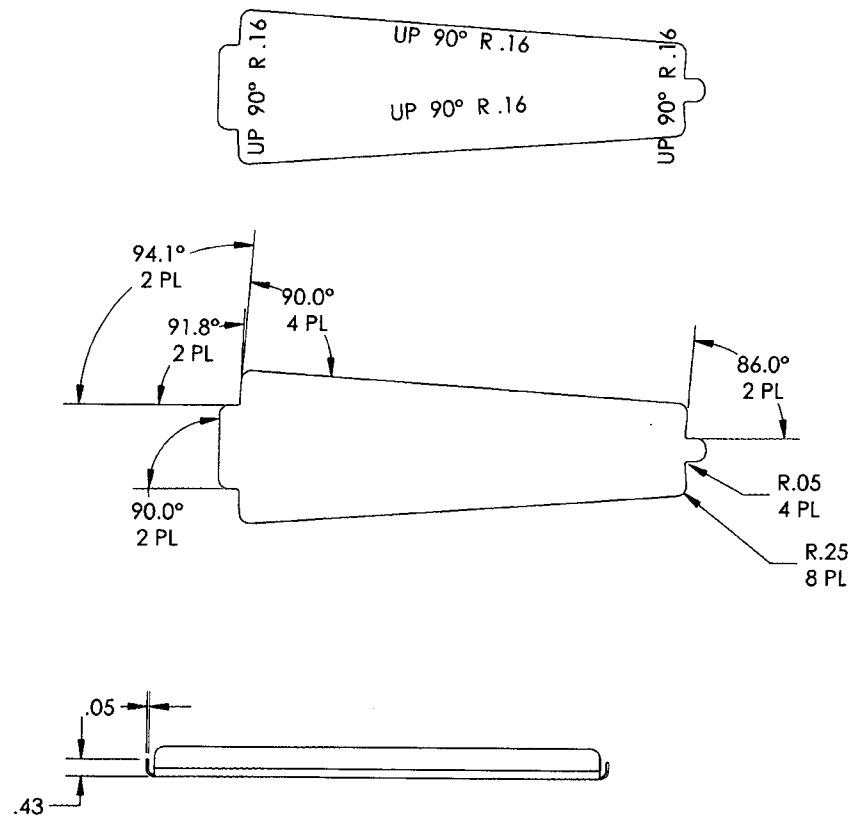
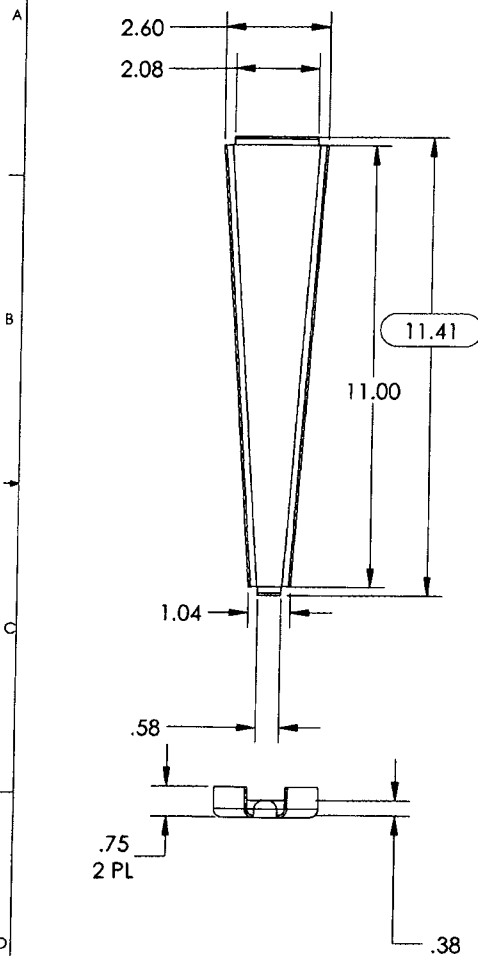


DETAIL Y
TYP 2 PL



ORIGINAL DATE 10-04-78		DESIGN 08-05-00	
DRAWN BY S. HURF		CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO		DESIGN 08-05-00	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA 91081 (760) 724-5300		SKID DEFLECTOR ASSY 647.1700	
REV.	D	SCALE	NONE
SHEET		6 OF 7	

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647.1718

ORIGINAL DATE (MM/DD/YY)		DESIGN OF (MM/DD/YY)	
DRAWN BY S. HUFF		CHECKED BY P. BRAVO	
DRAWING APPROVAL P. BRAVO		APICAL INDUSTRIES, INC. OR DART AEROSPACE	
CONTRACT NO.		3030 ENTERPRISE CT. SUITE A VISTA CA, 92081 (760) 724-5300	
SKID DEFLECTOR ASSY			
SEE 8	CAGE CODE 07M26	DWG NO. 647.1700	REV. D
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SCALE NONE SHEET 7 OF 7	